

**COMBINED DECLARATION / POWER OF ATTORNEY**

AS BELOW NAMED INVENTOR, I HEREBY DECLARE THAT: This Declaration is of the following type:

- ☒ Original                      ☐ Supplemental                      ☐ Continuation-In-Part                      ☐ Divisional  
☐ Continuation                      ☐ National Stage of PCT

My residence, post office address and citizenship are as stated below next to my name: I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention **TELECOMMUNICATIONS USING A TUNABLE OSCILLATOR** the specification of which:

- ☐ is attached hereto.  
☒ was filed on October 14, 2003 as Serial No. 10/684,771  
☐ was amended on \_\_\_\_\_ (if applicable).  
☐ was described and claimed in PCT International Application No. \_\_\_\_\_ filed on \_\_\_\_\_ and as amended under PCT Article 19 on \_\_\_\_\_

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, Sec. 1.56(a).

I hereby claim foreign priority benefits under Title 35, United States Code, Sec. 119 of any foreign application(s) for patent or inventor's certificate or of any PCT International application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT International application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed.

## Priority Claimed

(Country)	(Application No.)	(Day/Month/Year/Filed)	(Yes)	(No)
-----------	-------------------	------------------------	-------	------

I hereby claim the benefit under Title 35 USC 119(e) of any United States provisional application(s) listed below:

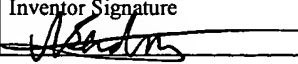
(Serial No.)	(Filing Date)
--------------	---------------

I hereby claim the benefit under Title 35 USC 120 of the United States application(s) listed below, and insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35 USC 112, I acknowledge the duty to disclose material information as defined in Title 37 CFR 1.56(a) which occurred between the filing date of the prior application and the national or PCT International filing date of this application:

(Serial No.)	(Filing Date)	(Status)
--------------	---------------	----------

I hereby appoint the attorneys and/or agents associated with Customer No. 23696 to prosecute this application and to transact all business in the U.S. Patent and Trademark Office connected therewith. Please direct all telephone calls to Philip R. Wadsworth at (858) 651-4404 and address all correspondence to: QUALCOMM Incorporated, Patent Department, 5775 Morehouse Drive, San Diego, California 92121-1714.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full Name of First or Joint Inventor <b>Andrew Sendonaris</b>	Inventor Signature 	Date <b>3/24/04</b>
Residence <b>33A Ancient Solon Str, Aglandzia 2113, Cyprus</b>	Citizenship <b>Republic of Cyprus</b>	
Post Office Address <b>33A Ancient Solon Str, Aglandzia 2113, Cyprus</b>		

Full Name of First or Joint Inventor <b>Da-shan Shiu</b>	Inventor Signature	Date
Residence <b>6351 Bollinger, Cupertino, California 95014</b>	Citizenship <b>Taiwan</b>	
Post Office Address <b>6351 Bollinger, Cupertino, California 95014</b>		

Full Name of First or Joint Inventor <b>Dominick Gerard Farmer</b>	Inventor Signature	Date
Residence <b>21111 Gist Road, Los Gatos, California 95033</b>	Citizenship <b>United States of America</b>	
Post Office Address <b>21111 Gist Road, Los Gatos, California 95033</b>		

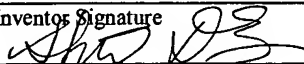
Full Name of First or Joint Inventor <b>Jeremy H. Lin</b>	Inventor Signature	Date
Residence <b>610 Arcadia Terrace, #305, Sunnyvale, California 940853</b>	Citizenship <b>United States of America</b>	
Post Office Address <b>610 Arcadia Terrace, #305, Sunnyvale, California 94085</b>		

Full Name of First or Joint Inventor <b>Parvathanathan Subrahmanya</b>	Inventor Signature	Date
Residence <b>468 Madera Avenue, Apt. 1, Sunnyvale, California 94086</b>	Citizenship <b>India</b>	
Post Office Address <b>468 Madera Avenue, Apt. 1, Sunnyvale, California 94086</b>		

Full Name of First or Joint Inventor <b>Thomas K. Rowland</b>	Inventor Signature	Date
Residence <b>20380 Santa Cruz Highway, Los Gatos, California 95030</b>	Citizenship <b>United States of America</b>	
Post Office Address <b>20380 Santa Cruz Highway, Los Gatos, California 95030</b>		

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full Name of First or Joint Inventor <b>Andrew Sendonaris</b>	Inventor Signature	Date
Residence <b>1469 Lakeshore Circle, San Jose, California 95131</b>	Citizenship <b>Republic of Cyprus</b>	
Post Office Address <b>1469 Lakeshore Circle, San Jose, California 95131</b>		

Full Name of First or Joint Inventor <b>Da-shan Shiu</b>	Inventor Signature 	Date <b>3/25/2004</b>
Residence <b>6351 Bollinger, Cupertino, California 95014</b>	Citizenship <b>Taiwan</b>	
Post Office Address <b>6351 Bollinger, Cupertino, California 95014</b>		

Full Name of First or Joint Inventor <b>Dominick Gerard Farmer</b>	Inventor Signature	Date
Residence <b>21111 Gist Road, Los Gatos, California 95033</b>	Citizenship <b>United States of America</b>	
Post Office Address <b>21111 Gist Road, Los Gatos, California 95033</b>		

Full Name of First or Joint Inventor <b>Jeremy H. Lin</b>	Inventor Signature	Date
Residence <b>610 Arcadia Terrace, #305, Sunnyvale, California 940853</b>	Citizenship <b>United States of America</b>	
Post Office Address <b>610 Arcadia Terrace, #305, Sunnyvale, California 94085</b>		

Full Name of First or Joint Inventor <b>Parvathanathan Subrahmanya</b>	Inventor Signature	Date
Residence <b>468 Madera Avenue, Apt. 1, Sunnyvale, California 94086</b>	Citizenship <b>India</b>	
Post Office Address <b>468 Madera Avenue, Apt. 1, Sunnyvale, California 94086</b>		

Full Name of First or Joint Inventor <b>Thomas K. Rowland</b>	Inventor Signature	Date
Residence <b>20380 Santa Cruz Highway, Los Gatos, California 95030</b>	Citizenship <b>United States of America</b>	
Post Office Address <b>20380 Santa Cruz Highway, Los Gatos, California 95030</b>		

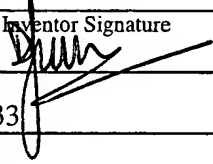


Attorney Docket No.: 030217  
10/684,771

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

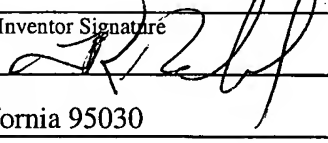
Full Name of First or Joint Inventor Andrew Sendonaris	Inventor Signature	Date
Residence 1469 Lakeshore Circle, San Jose, California 95131		Citizenship Republic of Cyprus
Post Office Address 1469 Lakeshore Circle, San Jose, California 95131		

Full Name of First or Joint Inventor Da-shan Shiu	Inventor Signature	Date
Residence 6351 Bollinger, Cupertino, California 95014		Citizenship Taiwan
Post Office Address 6351 Bollinger, Cupertino, California 95014		

Full Name of First or Joint Inventor Dominic Gerard Farmer	Inventor Signature 	Date 15 April 2004
Residence 21111 Gist Road, Los Gatos, California 95033		Citizenship United States of America
Post Office Address 21111 Gist Road, Los Gatos, California 95033		

Full Name of First or Joint Inventor Jeremy H. Lin	Inventor Signature	Date
Residence 14504 Las Haciendas, San Diego, California 92127		Citizenship United States of America
Post Office Address 14504 Las Haciendas, San Diego, California 92127		

Full Name of First or Joint Inventor Parvathanathan Subrahmanya	Inventor Signature	Date
Residence 468 Madera Avenue, Apt. 1, Sunnyvale, California 94086		Citizenship India
Post Office Address 468 Madera Avenue, Apt. 1, Sunnyvale, California 94086		

Full Name of First or Joint Inventor Thomas K. Rowland	Inventor Signature 	Date 4-15-04
Residence 20380 Santa Cruz Highway, Los Gatos, California 95030		Citizenship United States of America
Post Office Address 20380 Santa Cruz Highway, Los Gatos, California 95030		

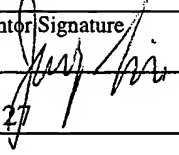


I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full Name of First or Joint Inventor Andrew Sendonaris	Inventor Signature	Date
Residence 1469 Lakeshore Circle, San Jose, California 95131	Citizenship Republic of Cyprus	
Post Office Address 1469 Lakeshore Circle, San Jose, California 95131		

Full Name of First or Joint Inventor Da-shan Shiu	Inventor Signature	Date
Residence 6351 Bollinger, Cupertino, California 95014	Citizenship Taiwan	
Post Office Address 6351 Bollinger, Cupertino, California 95014		

Full Name of First or Joint Inventor Dominick Gerard Farmer	Inventor Signature	Date
Residence 21111 Gist Road, Los Gatos, California 95033	Citizenship United States of America	
Post Office Address 21111 Gist Road, Los Gatos, California 95033		

Full Name of First or Joint Inventor Jeremy H. Lin	Inventor Signature 	Date 4/15/04
Residence 14504 Las Haciendas, San Diego, California 92127	Citizenship United States of America	
Post Office Address 14504 Las Haciendas, San Diego, California 92127		

Full Name of First or Joint Inventor Parvathanathan Subrahmanya	Inventor Signature	Date
Residence 468 Madera Avenue, Apt. 1, Sunnyvale, California 94086	Citizenship India	
Post Office Address 468 Madera Avenue, Apt. 1, Sunnyvale, California 94086		

Full Name of First or Joint Inventor Thomas K. Rowland	Inventor Signature	Date
Residence 20380 Santa Cruz Highway, Los Gatos, California 95030	Citizenship United States of America	
Post Office Address 20380 Santa Cruz Highway, Los Gatos, California 95030		



Attorney Docket No.: 030217  
10/684,771

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full Name of First or Joint Inventor <b>Andrew Sendonaris</b>	Inventor Signature	Date
Residence <b>1469 Lakeshore Circle, San Jose, California 95131</b>	Citizenship <b>Republic of Cyprus</b>	
Post Office Address <b>1469 Lakeshore Circle, San Jose, California 95131</b>		

Full Name of First or Joint Inventor <b>Da-shan Shiu</b>	Inventor Signature	Date
Residence <b>6351 Bollinger, Cupertino, California 95014</b>	Citizenship <b>Taiwan</b>	
Post Office Address <b>6351 Bollinger, Cupertino, California 95014</b>		

Full Name of First or Joint Inventor <b>Dominick Gerard Farmer</b>	Inventor Signature	Date
Residence <b>21111 Gist Road, Los Gatos, California 95033</b>	Citizenship <b>United States of America</b>	
Post Office Address <b>21111 Gist Road, Los Gatos, California 95033</b>		

Full Name of First or Joint Inventor <b>Jeremy H. Lin</b>	Inventor Signature	Date
Residence <b>610 Arcadia Terrace, #305, Sunnyvale, California 940853</b>	Citizenship <b>United States of America</b>	
Post Office Address <b>610 Arcadia Terrace, #305, Sunnyvale, California 94085</b>		

Full Name of First or Joint Inventor <b>Parvathanathan Subrahmanya</b>	Inventor Signature <i>Subrahmanya</i>	Date <b>3/18/04</b>
Residence <b>468 Madera Avenue, Apt. 1, Sunnyvale, California 94086</b>	Citizenship <b>India</b>	
Post Office Address <b>468 Madera Avenue, Apt. 1, Sunnyvale, California 94086</b>		

Full Name of First or Joint Inventor <b>Thomas K. Rowland</b>	Inventor Signature	Date
Residence <b>20380 Santa Cruz Highway, Los Gatos, California 95030</b>	Citizenship <b>United States of America</b>	
Post Office Address <b>20380 Santa Cruz Highway, Los Gatos, California 95030</b>		

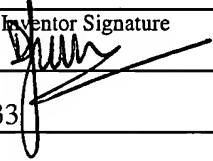


Attorney Docket No.: 030217  
10/684,771

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

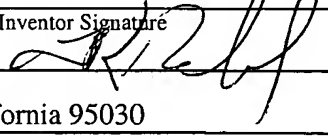
Full Name of First or Joint Inventor Andrew Sendonaris	Inventor Signature	Date
Residence 1469 Lakeshore Circle, San Jose, California 95131		Citizenship Republic of Cyprus
Post Office Address 1469 Lakeshore Circle, San Jose, California 95131		

Full Name of First or Joint Inventor Da-shan Shiu	Inventor Signature	Date
Residence 6351 Bollinger, Cupertino, California 95014		Citizenship Taiwan
Post Office Address 6351 Bollinger, Cupertino, California 95014		

Full Name of First or Joint Inventor Dominic Gerard Farmer	Inventor Signature 	Date 15 April 2004
Residence 21111 Gist Road, Los Gatos, California 95033		Citizenship United States of America
Post Office Address 21111 Gist Road, Los Gatos, California 95033		

Full Name of First or Joint Inventor Jeremy H. Lin	Inventor Signature	Date
Residence 14504 Las Haciendas, San Diego, California 92127		Citizenship United States of America
Post Office Address 14504 Las Haciendas, San Diego, California 92127		

Full Name of First or Joint Inventor Parvathanathan Subrahmanya	Inventor Signature	Date
Residence 468 Madera Avenue, Apt. 1, Sunnyvale, California 94086		Citizenship India
Post Office Address 468 Madera Avenue, Apt. 1, Sunnyvale, California 94086		

Full Name of First or Joint Inventor Thomas K. Rowland	Inventor Signature 	Date 4-15-04
Residence 20380 Santa Cruz Highway, Los Gatos, California 95030		Citizenship United States of America
Post Office Address 20380 Santa Cruz Highway, Los Gatos, California 95030		